(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 6 January 2005 (06.01.2005)

PCT

(10) International Publication Number WO 2005/000348 A2

(51) International Patent Classification⁷: A61P 37/04, 33/00, 35/00, 31/00

A61K 39/39,

(21) International Application Number:

PCT/GB2004/002726

(22) International Filing Date: 24 June 2004 (24.06.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 0314682.6

24 June 2003 (24.06.2003) GB

- (71) Applicant (for all designated States except US): ISIS IN-NOVATION LIMITED [GB/GB]; Ewert House, Ewert Place, Summertown, Oxford, Oxfordshire OX2 7SG (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): CERUNDOLO, Vincenzo [IT/GB]; 116 Staunton Road, Oxford, Oxfordshire OX3 7TN (GB). HERMANS, Ian [NZ/GB]; 6 Allam Street, Jericho, Oxford, Oxfordshire OX2 6DQ (GB). GILEADI, Uzi [GB/GB]; 39 Coverley Road, Oxford, Oxfordshire OX3 7EY (GB). SILK, Jonathan [GB/GB]; 6 Ferry Road, Marston, Oxford, Oxfordshire OX3 0ET (GB).

- (74) Agents: FORREST, Graham et al.; Mewburn Ellis LLP, York House, 23 Kingsway, London, Greater London WC2B 6HP (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

 without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: MATERIALS AND METHODS RELATING TO THE MODULATION OF T CELL RESPONSE TO SOLUBLE ANTI-GEN

(57) Abstract: The invention relates to materials and methods for improving vaccination strategies. Particularly, but not exclusively, the present invention relates to the use of an activator of NKT cells, in combination with an activator of Toll-like receptors, to enhance T-cell responses to soluble antigen. The invention also relates to the use of particular NKT cell activators, e.g. OCH, to enhance T-cell responses to soluble antigen. The materials and methods of the invention are particularly suitable for enhancing presentation of the soluble antigen via the MHC I molecules of dendritic cells and so stimulating cytotoxic T cell responses against the antigen.

